

M., Posa, M., Basse, P., Stokes, P., Timiryaz, A., von Niederausern, A., and Wright, D., Weiss, R.,
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 Unpublished (2000)
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S., 2030 E., SLC, UT
 84112, USA
 Tel.: 801 585 5606
 Fax: 801 585 7177
 Email: ddh@genetics.utah.edu
 Insert length: 10000 Std Error: 0.00
 plate: 0212 row: N column: 07
 Seq primer: CACAGGAAACAGCTATGACC
 Class: plasmid ends
 High quality sequence st. fig. 21.
 Location/alignments:
 1..21
 Organism="Mus musculus"
 /strain="C57BL/6J"
 /db_var=stavon_00461
 /clone="TNGC1MO2/2N07"
 /seq="Male"
 Lab host="P. Balle strain X10-Gold pli-resistant, F-"
 Note="Vector: pW04enz; purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (<http://www.jax.org/resources/documents/ibars/>) The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity, the sheared DNA
 was blunt end-repaired with TA DNA Polymerase and T4
 polymerase Klenow. Adapter oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptored DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pW042 (T1-A7A3-T4Q1B1A124G72-1), a very narrow
 irrecodable derivative of plasmid RL. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptored mouse DNA was annealed to
 adaptored vector DNA, and transformed into
 chemically competent E. coli X10-Gold (Stratagene) cells
 and selected for ampicillin resistance.
 BASE COUNT
 ORIGIN

FEATURES	source
Alignment Scores:	
pred. No.:	2,430,03
score:	25,00
percent Similarity:	100.00%
Best Local Similarity:	100.00%
query Match:	100.00%
DB:	17
OS: 09-856 070-16 (1-5) x AZ428877 (: 21);	
QY	1 GluArgGluLysGlu 5
DB	15 GAAAAGAGAGAAA 1
RESULT 2	
AZ436778/c	AZ436778
Locus:	160067N1F
DEFINITION	Mouse 10kb plasmid shotgun library
Clone:	MGCIKM0067N1F
ACCESSION	AZ436778
VERSION	AZ436778.1
KEYWORDS	G1:10406621
SOURCE	house mouse
COMMENT	MGCIKM0067N1F
JOURNAL:	GSS 29-SEP-2000

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognath; Muridae; Murinae; Mus.
 REFERENCE
 (bases 1 to 37)
 Burn, D., Aoyagi, A., Barber, M., Beacorn, J., Baval, B., Hami, C.,
 Islam, H., Longore, S., Mahmoud, M., Meenen, F., Pedersen, T., Royle,
 M., Ries, M., Rose, P., Stokes, P., Tinney, A., von Niederhäusern, A.,
 and Wright, D.; Weiss, R.
 TITLE
 Mouse whole genome scatlooling with paired end reads from 10kb
 Plasmid inserts
 Unpublished (2000)
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm 304, Biomedical Polymers Research Building, 20 S., 2040 E., Salt Lake City,
 84112, USA
 tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddbinomics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0067 Row: N column: 11
 Seq primer: CGTGTGAAACACGGCCAGT
 Class: plasmid ends
 High quality sequence stop: 37.
 FEATURES
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 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone_id="uncl100907N11"
 /clone_libr="Mouse 10kb plasmid library"
 /sex "Male"
 /lab_ho="E. Coli strain XL1-Gold, Tr-resitant, F"
 /note="Vector: pMD4env; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource (ht tp://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pMD2 (cat#4321419b AF1294072.1), a copy number
 inducible derivative of plasmid pL. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptorized mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically competent E. coli XL1 Gold (Stratagene) cells
 and selected for ampicillin resistance."
 BASE COUNT
 ORIGIN
 Alignment Scores:
 Pred. No.: 4 69-0-04 Length: 47
 Score: 25.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 17 Gaps: 0
 US-09-856-070-16 (1-5) x AZ336778 (1-37)
 QY 1 GluArgGluLysGlu 5
 |||||||
 Db 2 GAAAGGAAAGAGAA 9
 RESULT 3
 AZ987023/C 39 bp DNA linear GSS 27-APR-2000
 DEFINITION 2M05.9NCAT Mouse 10kb plasmid library Mus musculus genomic

ACCESSION	AZ987023	KEYWORDS	GSS	RESULT	4
SOURCE	house mouse	ORGANISM	Mus musculus	DEFINITION	Mouse 10kb plasmid library Mus musculus genomic sequence.
REFERENCE	Mammalia, Eutheria, Rodentia, Soricomorpha, Chordata, Craniata, Vertebrata, Pateostomi, Monotremata, Metazoa, Chordata, Craniata, Vertebrata, Mammalia, Muridae, Muridae, Mus, I (bases 1 to 39)	ACCESSTION	AZ511352	LOCUS	AZ511352
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamill,C., Islam,H., Longacre,S., Mahmood,M., Meeden,E., Pedersen,T., Peilly,M., Rose,M., Stokes,P., Tingay,A., von Niederhausern,A., and Wright,D.	VERSION	A.511352.1	DEFINITION	Mouse 10kb plasmid library Mus musculus genomic sequence.
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts	ORGANISM	Mus musculus	SOURCE	house mouse
JOURNAL	Unpublished (2000)	COMMENT	Unpublished (2000)	REFERENCE	Eutheria, Rodentia, Soricomorpha, Chordata, Craniata, Vertebrata, Mammalia, Muridae, Muridae, Mus, I (bases 1 to 40)
CONTACT	Robert B. Weiss	AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamill,C., Islam,H., Longacre,S., Mahmood,M., Meeden,E., Pedersen,T., Peilly,M., Rose,M., Stokes,P., Tingay,A., von Niederhausern,A., and Wright,D., Weiss,R.	EMAIL	bioinfo@utah.edu
University of Utah Genome Center	University of Utah	ADDRESS	Rm. 308, Biomedical Polymers Research Bldg., 20 S 2030 E , SLC, UT 84112, USA	PHONE	408
84112, USA	COMMENT	CONTACT	Robert B. Weiss	FAX	801 585 5606
Tel: 801 585 5606	COMMENT	CONTACT	Robert B. Weiss	EMAIL	bioinfo@utah.edu
Fax: 801 585 7177	COMMENT	CONTACT	Robert B. Weiss	INSERT LENGTH	10000 Std Error: 0.00
Email: ddun@genetics.utah.edu	COMMENT	CONTACT	Robert B. Weiss	PLATE	0.356 row: A column: 24 Std Error: 0.00
Insert length: 10000 Std Error: 0.00	COMMENT	CONTACT	Robert B. Weiss	SEQ PRIMER	CGTGTAAACGAGCCACT
plate: 0269 row: N column: 24	COMMENT	CONTACT	Robert B. Weiss	CLASS	Plasmid ends
Seq primer: CGTGTAAACGAGCCACT	COMMENT	CONTACT	Robert B. Weiss	HIGH QUALITY SEQUENCE STOP	40
Class: Plasmid ends	COMMENT	CONTACT	Robert B. Weiss	LOCATION/QUALIFIERS	Location/Qualifiers
High quality sequence stop: 39	FEATURES	ORGANISM	"Mus musculus"	ORGANISM	"Mus musculus"
Location/Qualifiers	source	STRAIN	"C57BL/6J"	STRAIN	"C57BL/6J"
1..39	source	DB_XREF	"jax.org/resources/documents/dnares/	DB_XREF	"jax.org/resources/documents/dnares/
/lab_host="E. coli strain X11-Gold, ll-resistant, F-"	source	DB_XREF	"taxon:10090"	DB_XREF	"taxon:10090"
/note="Vector: pWD420; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource	source	DB_XREF	"clone-lib="Mouse 10kb plasmid GNGCIM library"	DB_XREF	"clone-lib="Mouse 10kb plasmid GNGCIM library"
http://www.jax.org/resources/documents/dnares/". The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWb2 (gi 14732114 gb AP129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli X11-Gold (Stratagene) cells and selected for ampicillin resistance.	source	SEX	"Male"	SEX	"Male"
and selected for ampicillin resistance.	source	LABHOST	"E. coli strain X11-Gold, ll-resistant, F-"	LABHOST	"E. coli strain X11-Gold, ll-resistant, F-"
0 a 17 c 1 q 21 t	BASE COUNT	ORIGIN	note="Vector: pWD420; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWb2 (gi 14732114 gb AP129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli X11-Gold (Stratagene) cells and selected for ampicillin resistance."	ORIGIN	note="Vector: pWD420; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWb2 (gi 14732114 gb AP129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli X11-Gold (Stratagene) cells and selected for ampicillin resistance."
0 a 17 c 1 q 21 t	ALIGNMENT SCORES	PRED. NO.	4.9e-03	LENGTH	39
Score:	PRED. NO.	Length:	39	MATCHES	3
Percent Similarity:	PRED. NO.	Matches:	3	CONSERVATIVE	0
Best Local Similarity:	PRED. NO.	Conservative:	0	MISMATCHES	0
Query Match:	PRED. NO.	Mismatches:	0	INDELS	0
DB:	PRED. NO.	Indels:	0	GAPS	0
US-09-856-070-16 (1-5) x AZ987023 (1-79)	BASE COUNT	0 a 20 c 0 g 20 t	ORIGIN	Length:	40
Qy 1 GluArgGluLysGln 5	ALIGNMENT SCORES	PRED. NO.:	5e-03	MATCHES:	5
DB 23 GAGAGAGAGAGAG 9	SCORE:	Score:	25.06	CONSERVATIVE:	0
	PERCENT SIMILARITY:	Percent Similarity:	100.00%	MISMATCHES:	0
	BEST LOCAL SIMILARITY:	Best Local Similarity:	100.00%	INDELS:	0
	QUERY MATCH:	Query Match:	100.00%	GAPS:	0
	DB:	DB:	17		

US-U-855-070-16 (1-5) x A1754619 (1-4H)	QY	1	GlutArgGluLysGlu	5
LOCUS	AZ827382	49	bP	EMBL Linear GSS 20-FEB-2001
DEFINITION	2M01C3113F Mouse 10kb plasmid "mugl1" library; Mus musculus genomic clone UGGCM010113_R, DNA sequence.			
ACCESSION	AZ827382			
VERSION	Az827382.1	GI:12997290		
KEYWORDS	GSS,			
SOURCE	house mouse			
ORGANISM	Mus musculus			
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi;				
Mammalia; Rodentia; Sciurognathi; Muridae; Murinae; Mus.				
REFERENCE	1 (bases 1 to 49)			
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Doyal,R., Hamil,C., Islam,H., Longacre,S., Mahonoid,M., Medenow,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.			
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb			
Plasmid inserts				
Unpublished (2000)				
contact: Robert R. Weiss				
University of Utah Genome center				
University of Utah				
KM: 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., Salt Lake City, UT 84112, USA				
Tel: 801 585 5606				
Fax: 801 585 7177				
Email: dunn@genetics.utah.edu				
Insert Length: 10000 Std Error: 0.00				
Plate: GIGE I, Row 1, Column 1,2				
Seq primer: CACAGGAAACACCTATGACC				
Class: Plasmid ends				
High quality sequence stop: 49.				
Location/qualifiers				
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/strain="C57BL/6J"				
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/clone="mugl1_2M010113_1"				
/clone-lib="Mouse 10kb plasmid UGGC1M library"				
/sex="Male"				
/lab_host="U. Coli Strain XL10-Gold, T1 Resistant, F-				
/note="Vector: pMD42iv; purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://wwwjax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.905 inch diameter at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD2 (911472114 [gb:AF123072.1]), a copy number inducible derivative of plasmid pRL. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transfected into				
chemically competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."				
BASE COUNT	2 a	21 c	1 g	25 :
ORIGIN				
Alignment Scores:				
pred. No. :				
length:				49

Plant Biology Division
Samuel Roberts Noble Foundation
15510 Sam Noble Parkway, Ardmore, OK 73422, USA
tel: +918 221 7202
fax: +918 221 7380
email: radixon@noble.org
insert length: 726 std error: 0.00
plate: 052 row: F column: 09
sequencing primer: TACAGGAGAACATGAG

Ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 4-5 kb 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMB2 (ATCC 14732 [ATCC 29421]), a copy number inducible derivative of plasmid R1, the vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coli XL1-Gold (Stratagene) cells and selected for ampicillin resistance.

SUIT	14
99965.97/c	AZ9965.97
DEFINITION	54 bp DNA linear
	2M0282114E Mouse 10kb genomic DNA library Mus musculus genomic clone UGGC2M0282F14_R, DNA sequence.
VERSION	AZ9965.97
LAST UPD.	G1:1 3867766
KEYWORDS	house mouse
ORGANISM	Mus musculus
PARENT	Falak et al.; Metazoa; Chordata; Craniata; Vertebrata; Eutecostomi; Mammalia; Eutheria; Rodentia; Sciruroptathi; Muridae; Murinae; Mus
AUTHORS	1 (bases 1 to 94) Duan,D., Aoyagi,A., Barber,M., Beacons,T., Duvai,B., Hamill,C., Iannini,H., Lonacone,S., Mahmood,M., Menken,E., Federer,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Timney,A., von Niederauer,A., and Wright,D., Weiss,R.
TITLE	Mouse whole genome scaffolding with paired end reads from 16kb plasmid inserts
JOURNAL	Unpublished (2010)
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center

Room 408, Biomedical Polymers Research Bldg., 20 S. 2930 E., SLC, UT
84112 USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@ccs.utah.edu
Insert length: 10000 Std error: 0.00
Plate: 0.282 row: F column: 14
Seq primer: CACACAGAAACAGCTTACCC
Class: plasmid ends
High quality sequence stop: 54.
Locations/qualities

Organism "Mus musculus"
Strain "C57BL/6J"
db-allele "axon.1.0.90"
Clone "UUGC2M0.2R14"
Line "Mouse 10kb plasmid UUGC2M library"
Host "E. coli strain X110-Gold, F+

pooled tumors
 lab host - "OHL0B"
 /not p-Morgan ulcers. Vector: pCMV-SPORT6; Site-1. Sali:
 Site-2 NotI; cloned unidirectionally. Pliner: Oligo dT:
 Average insert size 1.48 kb. Lite Technologies catalog #:
 11542-016#
 31 a 11 c 13 g 0 t
 BASE COUNT ORIGIN

Alignment Scores:	
Pred. No. :	6.51e+03
Score:	25.00
Percent Similarity:	100.00%
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Query Match:	100.00%
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Length:	55
Matches:	5
Conservative:	0
Mismatches:	0
Indels:	0
Gaps:	0

US-09-856-070-16 (1-5) x A1689110 (1-55)

QY	1	GluArgGluLysGlu	5
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Db	33	GAAAGAGAGAAAAAGAA	47

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[Search time : 664.571 secs]

